Pat's Patterns

Knits that fit everybody, regardless of the shape you are in!

August 1990

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A Chat With Pat
Patricia Wetzel

Did you make a large garden? This year Carl was realistic about his lack of free time and planted our former vegetable garden with grass. But he decided we should have some home-grown tomatoes, so he bought two patio tomato plants. As I am writing this each of those plants is as big as a small tree and each is hanging full of tomatoes of assorted sizes plus blossoms - but not one of the fruits has begun to turn red at this time. Looks like it will be August before we get a taste of a good tomato.

This has been a crazy summer of rain storms which are causing flooding to parts of the country that shouldn't be concerned with high water. A month or so ago a freak flood wreaked havoc in the vicinity of Shadyside, Ohio, where many homes were destroyed and several lives were lost. Thinking ahead to the cool/cold weather which will be here before we are ready for it, those children and adults will be in need of warm ats, sweaters, mittens, and ankets. You probably have ne of these knitted things on d (maybe in wrong sizes for and your family members). It be a great club project to together a box of this sort and donate in your club's And if you don't belong to I am sure that individual utions would also be A caring Brother dealer has offered to receive ions, then see that they get to the needy: Mary Lee Porter, 79 Cedar Lane, Wheeling, WVA 26003.

I have another personal way that some of you can be a good neighbor: the day after Thanksgiving the Navy is transferring our son, his wife, the two little boys ages 6 and 4, and a dog to Newport, RI. They will need a small, **inexpensive**, house within driving distance (in eastern CT, RI, or southern MA) that is also in a good school district, as this will be their home for the next three or four years. If you have or know of someone who has what they need, please send the full particulars to me and I'll forward the info. Thanks for your help in this!

Now my face is red! Last month I printed an error, for which I apologize. When you order yarn samples from Stephanie's Studio in Bybee, TN the cost is $5.00 (the $2 price that I quoted was wrong, do you see?).

Did you ever try to eat thin soup with a fork? Or have you tried to put toothpaste back into the tube? If it seems to you that both of those activities are just about impossible, please bear with Carl and me as we are also trying to do the impossible. Because of the chemical smells and dust created by the printing operation, **Carl and I are moving** to a location where the print shop will be separate from the house. Most of our emotional and physical energies are being taken up with all of the aspects of moving, so we need your cooperation until the move is completed and things return to near normal sometime in early September.

And if you can pray a little prayer that this house will sell very quickly, that will relieve us of a big expensive worry! Thanks.

I almost forgot to give you our new address:

P.O. Box 158
Clymer, PA 15728

Our "new" house is just about 13 miles from this house. If you visited Indiana, PA and thought it was small, you won't believe Clymer! This quiet community boasts a total population of about 1,700, and I think Carl and I will feel at home there in a short period of time.

Are you wondering why I haven't made any comments about knitting projects? Well, my knitting creativity is on vacation until we get settled into the new location. Probably you are vacationing from knitting during this hot weather, too. We'll all have to get back into the groove as soon as we get a whiff of Autumn!

In our area it looks like Spring. The ugly Gypsy Moth caterpillers have quit eating the leaves and have gone into the moth stage. So now the hardwood trees have new leaves growing. Many trees will not recover. As a friend says, "It's always something".

Pat

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Fairisle Pullover in Many Colors

Lois Blystone

Yarn: double strands of 2/24. Denim blue is the main color, with peach as CC#1, white as CC#2, and light blue as CC#3.

Gauge: 7.75 stitches and 9.75 rows = 1".

Tension: 9.

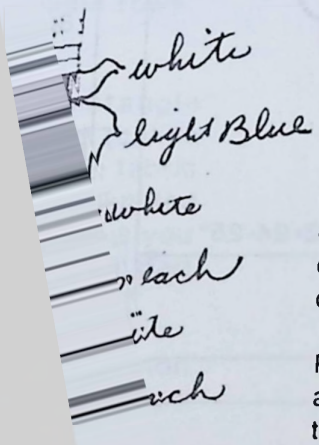
Machine: made on a Brother 930. Other electronic machines can also be used. Punchcard owners can also knit this garment, though a revised version of the program must be used.

Program: #82 from *STITCH* handbook, also shown below.

Finished size at bust: 40" - 42" - 46" - 48" - 50".

Not shown on the cover.

Note: Although Lois does not, this multi-color knit would be much easier to do if a second yarn changer were used.



BACK

Cast on 156 - 162 - 170 - 178 - 186 - 194 stitches for 1:1 rib and knit 30 rows at tencion 2/2. Transfer all ribber stitches to the main bed.

RC000. Start pattern following the color changes as given to the underarm length needed, including ribbing:

12" - 88 rows
13" - 96 rows
14" - 106 rows
15" - 116 rows
16" - 126 rows.

Pur marker strings on the outside edges to mark the underarm.

RC000. Continue without shaping to row 82 - 86 - 92 - 102 - 108. Bind off the center 46 stitches for all sizes and scrap off the shoulder stitches.

FRONT

Same as back until underarm markers are in place.

RC000. Knit in pattern to row 42 - 46 - 52 - 56 - 68. All sizes bind off the center 20 stitches and divide the work.

RC000. Knit, decreasing 1 stitch at the neck edge every row 4 times then every-other row 4 times, then every 3 rows 5 times, then even to row 40. Scrap off the shoulder stitches.

Repeat for the other side of the neckline.

Join one shoulder.

NECKBAND

Cast on 128 stitches for 1:1 rib. Knit 34 rows at tension 5/5. Transfer the ribber stitches to the main bed. Hand a hem from the cast on row. Pick up stitches from the neckline of the sweater and hang evenly on top of the band stitches and bind off.

Join the other shoulder.

SLEEVES

Pick up 130 - 140 - 148 - 154 - 162 - 170 stitches and knit in the pattern, decreasing 1 stitch each side of every 10 rows to the length needed including the ribbing:

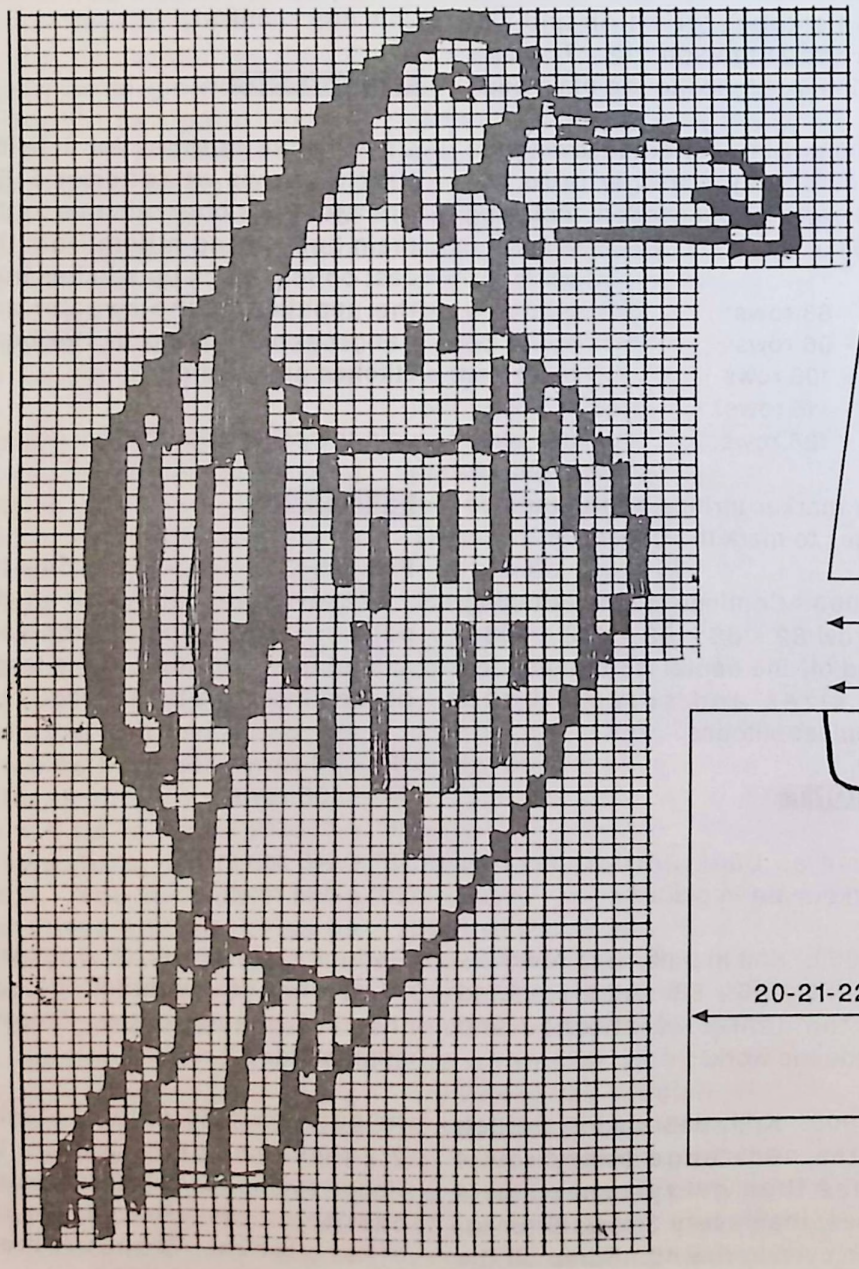
12" - 88 rows
14" - 106 rows
16" - 124 rows
18" - 146 rows
20" - 164 rows.

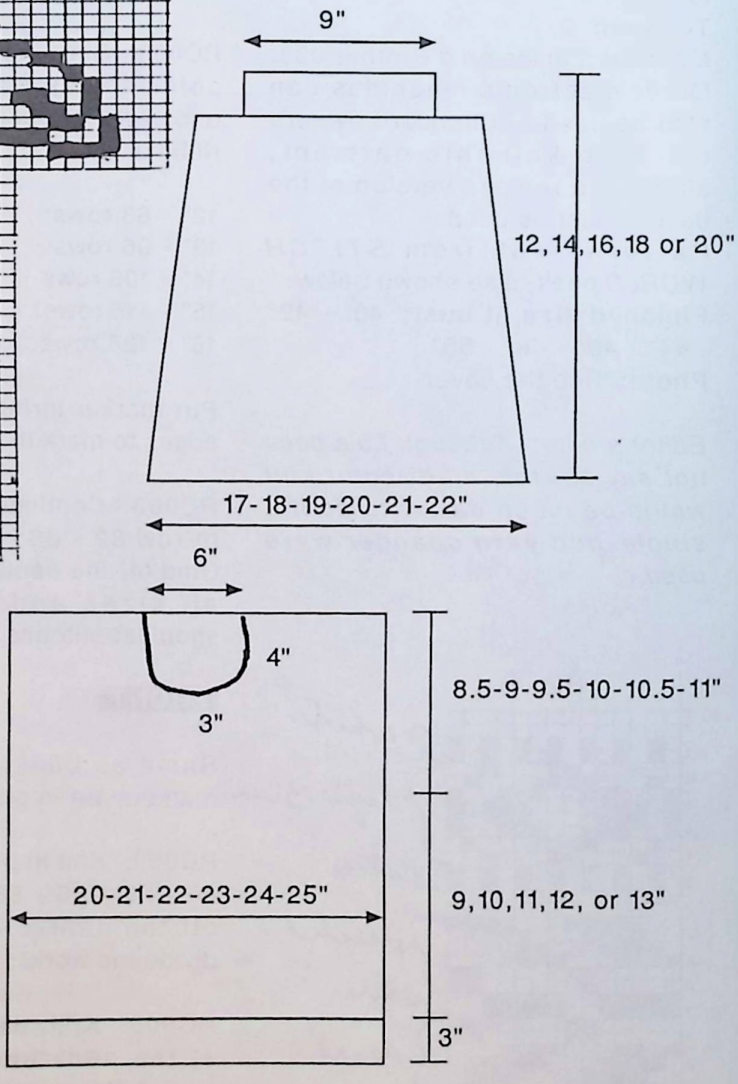
Reduce the number of stitches to 71 or what you want for the cuff, then knit one more row. Transfer stitches for 1:1 ribbing.

RC000. Knit 30 rows at tension 2/2 then one at 8/8. transfer all ribber stitches to the main bed and cast them off loosely.

Electronic Bird
Sylvia Stewart

This guy is so good looking that you will use him different ways and on different projects. Have fun!





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Woven Bag

Knittens - M. Reynolds

I knitted this bag using the weaving technique on my machine, but feel free to experi- ment with any stitch type, garter carriage, plain knitting, fairisle - just any stitch type. The trick is in the lining.

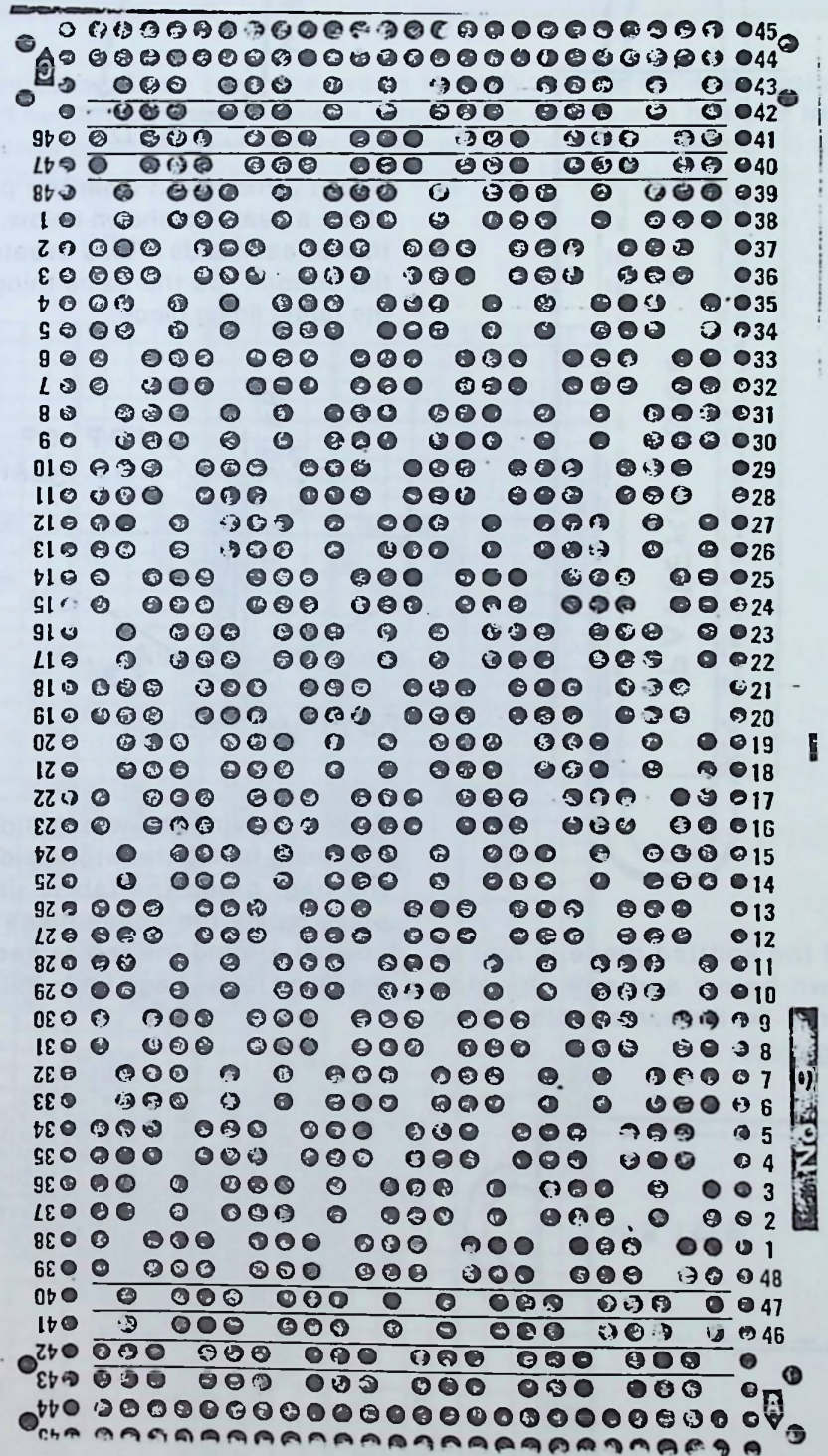
Yarn: 3 ply for knitting and worsted for weaving.
Tension: 9. Gauge is not important.
Design: The card at the right was used, but you can choose any one that appeals to you.
Materials: Other items are needed, which you will learn as you read the instructions.

DIRECTIONS

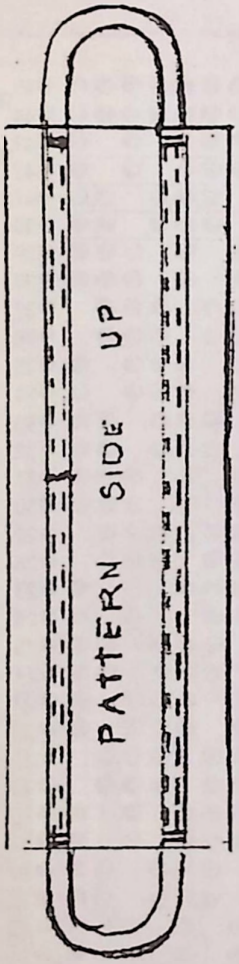
Cast on 160 stitches.
RC000. Knit 2 plain rows, then continue in pattern to RC 270. Knit 2 plain rows. Bind off all stitches.

Lay this knitted rectangle onto a piece of fabric (calico print is cute). Cut the fabric the same size as your knitted piece. Lay this aside as you continue with the knitted part of the bag.

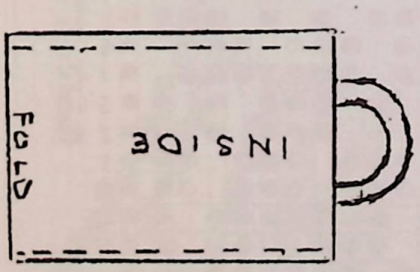
To make a firmer bag, iron-on a piece of interfacing onto the back of the knitted piece.



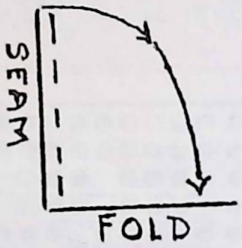
Use belting or a heavy braid for a handle, and sew in place onto the knitted piece as shown in the diagram. I used 2 yards for mine.



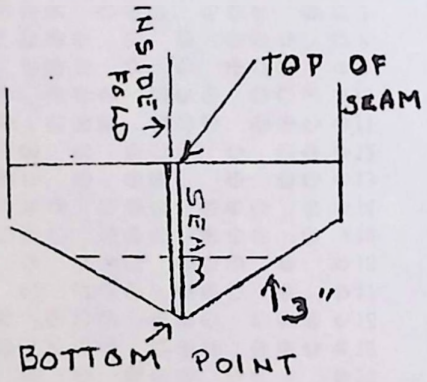
Fold the knittted piece in half as shown below and sew the side seams. Do the same for the fabric lining piece.



Now take the bottom of this seam and make a point as shown below (fold the seam flat against the bottom fold of the bag):



About 3 inches in from the point stitch a seam as shown below. Do this at each side. This creates a flat bottom. Do the same thing for the fabric lining piece.



Finally, having the wrong side of the lining facing the wrong side of the bag, place the fabric lining piece inside the woven piece and sew all around the top to secure the lining to the bag. Enjoy!!!!!!

Ski Bib

Carolyn Behrendt

I don't like to see anyone wearing a long scarf when they are sledding or on a snowmobile, or working around any moving machinery, since it just isn't safe - so here is a quick *SKI BIB* to make for anyone that is out in the cold. My jusband has one to wear when he has to work outside.

Using 3/11 or some sport weight yarn, e-wrap cast on every-other needle across the entire bed. Set the tension at 10 and knit 150 rows on these alternate needles.

Hang the cast on edge onto the out of work needles, so that now every needle has a stitch on it. Bind off.

Seam together to form a circle.

It just pulls over the head. You can pull it up as far as you want or roll it down for a cowl collar over the top of your jacket. You don't lose it either, since it can't fall off like a scarf.

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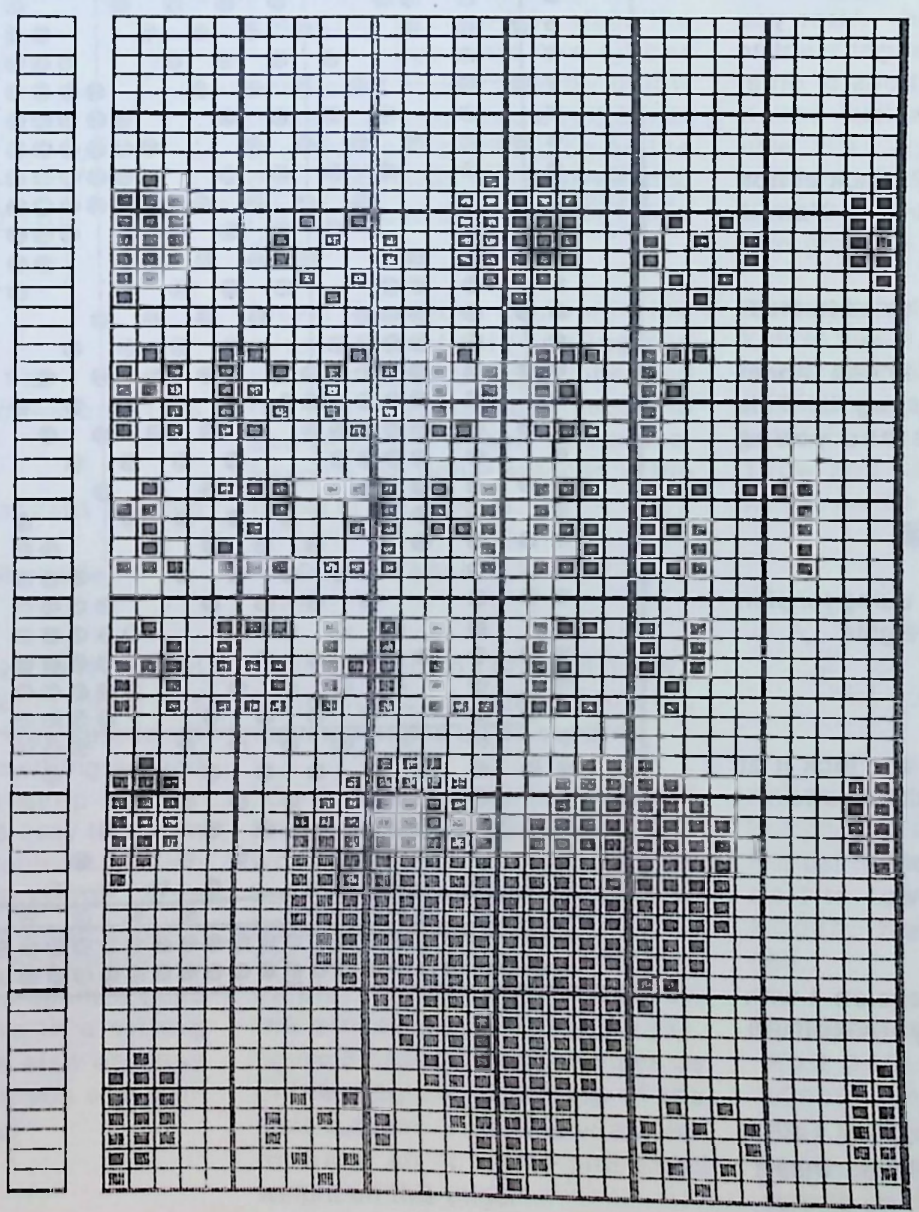
Yoke Design
Cathy Hale

Last month's yoke design featured shamrocks. Since everyone seems to enjoy a heart motif, the yoke design this month features positive and negative hearts of various sizes. This design can be used for the yoke of a sweater, as a border, or even as an all-over design. The immediate reaction would be to knit this as a fairisle design, but try it with the garter carriage. And you may want to use another name.

STITCHES = 30 ROWS = 60



G-Carriage Skirt with Yoke
Stephanie's Studio & Yarn

The garter carriage is fun! In this case a fairisle card was selected from the basic pack (card # 10) and locked on the first row. By keeping the card locked in this position an interesting pleated effect was achieved. After you knit this skirt you might want to experiment with portions of other cards to get other results.

Yarn: 2 strands 8/2 black cotton from Stephanie's Studio & Yarn in Bybee, TN.
Gauge: not given
Size: one size to fit small to med.

Length is above the knees (about 18" on) and it has a snug fit. This is great for teens and young adults.

MAKE TWO ALIKE

Cast on 150 stitches using tension 7. Hang comb and weights.

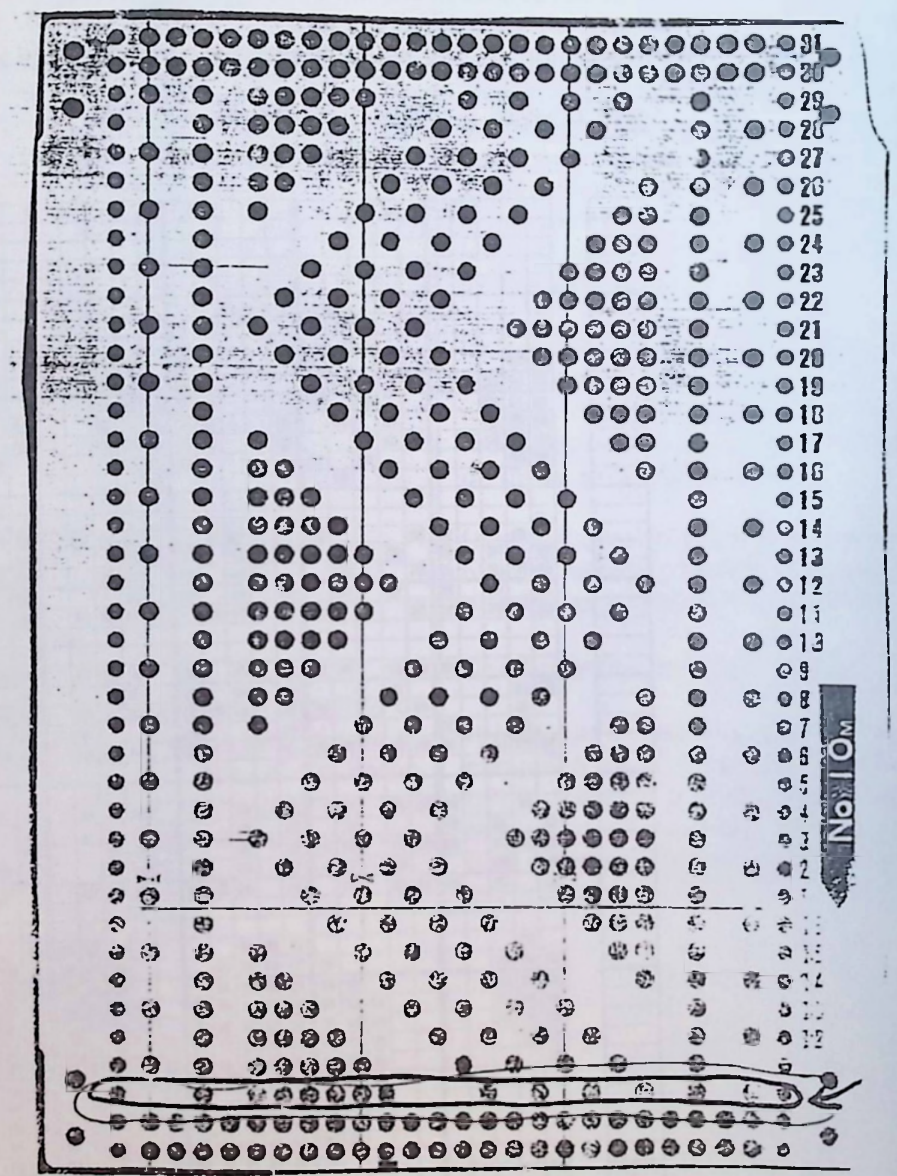
In 1:1 rib knit 10 rows.

Change to card #10 and lock it at row #1. Tension 8 knit 75 rows.

Tension 7.2 knit 15 rows.
Tension 7.1 knit 15 rows.
Tension 7 knit 15 rows.

Change to 1:1 rib. Tension 4 with just one strand of yarn knit 90 rows. Bind off.

Sew seams. Turn down 1.25" casing and stitch in place. Insert elastic.



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Convalescent's Mock Sweater

Joyce Chamberlain

Yarn: 2/24, about 1 lb.
Gauge: 8.8 stitches and 15.6 rows = 1".
Tension: 2/2.
Machine: any standard 4,5 mm with ribber.
Pattern stitch: full needle rib.
Sizes: S - M - L

Having a brother who recently had major surgery brought about this pattern. Once he was able to sit up, he needed something around his shoulders to keep warm. Something that was easy to put on while in both a disabled condition and in a sitting position. This should be useful for those persons in wheelchairs, hospitals, or nursing homes who spend a good deal of their time in a sitting position. This is also an easy pattern for those of you who wish to try full needle rib.

Cam on right. To the left of 0 on the main bed e-wrap cast on 80 stitches. Knit 30 rows using main cam and tension 1.

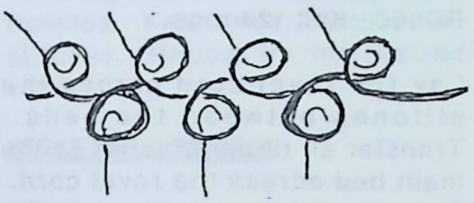
Set ribber pitch to H5. Hand the cast on edge onto the ribber needles that are directly below these main bed needles (the first and last needle should be on the main bed). You may need to bring the ribber bed up a notch or two to do this.

Insert the ribber comb into the middle row of this knitting and hang weights. Set the ribber and the main cam for full needle rib and raise the ribber into place, keeping the ribber stitches in the hooks of the needles.

RC000. Tension 2/2 knit 124 rows.

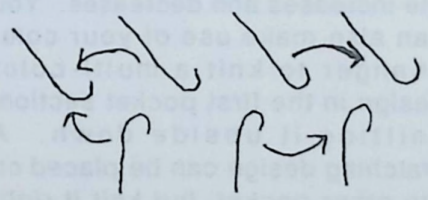
RC000. Tension 6/6 knit 1 row. Tension 2/2 continue to row 36, moving weights up as needed.

On the cam side on the main bed bring the next 20-25-30 needles to work position and select the matching ribber needles, remembering to always keep the end needle/s on the main bed. Being careful not to catch the yarn on the sinker posts (gate pegs), figure 8 cast on these needles as in the diagram at the top of the next column. After the wrap cast on hang an "L" wire and small weight on this edge.



Knit to row 72. Repeat from * to * now, then again on row 108 and row 144, removing the lowest "L" hook and weight to use on the next group of edge stitches.

Buttonholes for men: RC000. Knit to row 6. [On main bed skip the first 4 lefthand needles and transfer stitches as in the diagram below for the first buttonhole. Knit 1 row and hang an "L" hook and weight on the left edge.]



Knit to row 36 and make another buttonhole as inside [ ] above. Repeat the buttonhole on row 66. Knit to row 340 - 350 - 360. RC000. Knit to row 340 - 350 - 360.

Buttonholes for women: RC000. Knit 340 - 350 - 360 rows. RC000. Knit to row 274 - 284 - 294. Make the first buttonhole as instructed between [ ] above. Be sure to do this on the left. Repeat

on row 304 - 314 - 324 and then the last hole on row 334 - 344 - 354. Knit to row 340 - 350 - 360.

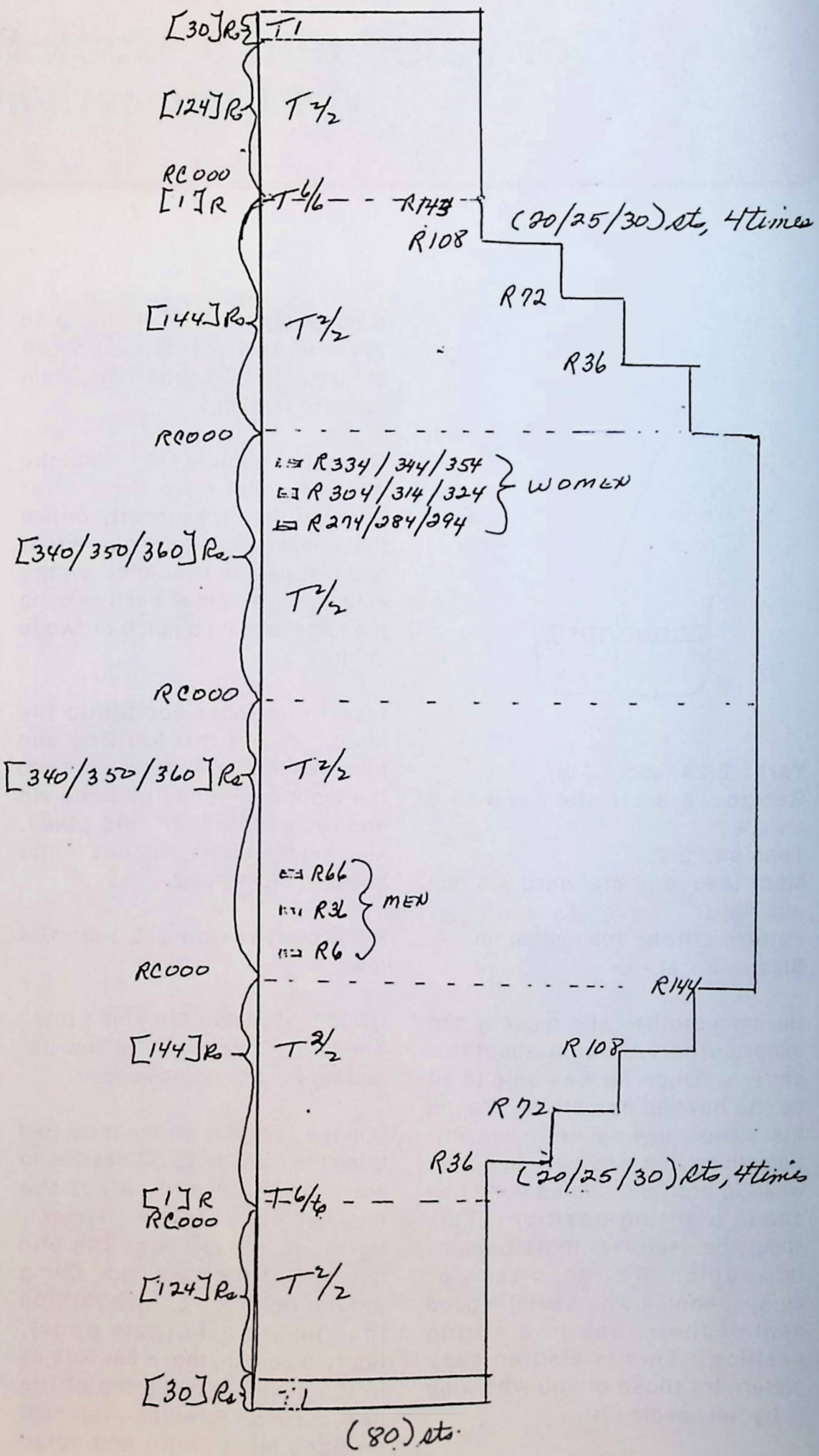
Now for both: RC000. +Transfer the righthand 20 - 25 - 30 stitches from the ribber to the main bed. Transfer tool bind off fairly loosely.+

All sizes repeat between +'s on rows 36, 72, and 108. Knit to row 143. Tension 6/6 knit 1 row. RC000. Knit 124 rows.

Lay the ravel cord across the stitches between the beds. Transfer all ribber stitches to the main bed across the ravel cord. Drop the ribber and change to the main cam for stockinet stitch knitting. Tension 1 knit 30 rows. Pick up every-other stitch from the ravel cord marked row and hang onto every-other needle. Bind off loosely. Remove ravel cord.

Finishing: Fold up the pockets on the rows knit at tension 6/6 and sew in place. Sew 3 buttons at the edge opposite the buttonholes. To wear, roll the front edge.

Variations: For a scarf don't do the increases and decreases. You can also make use of your color changer to knit a multi-color design in the first pocket section, knitting it upside down. A matching design can be placed on the other pocket, but knit it right side up. Or if that sounds too confusing, use a design that is symmetrical from top to bottom so that there is no upside-down or rightside-up.



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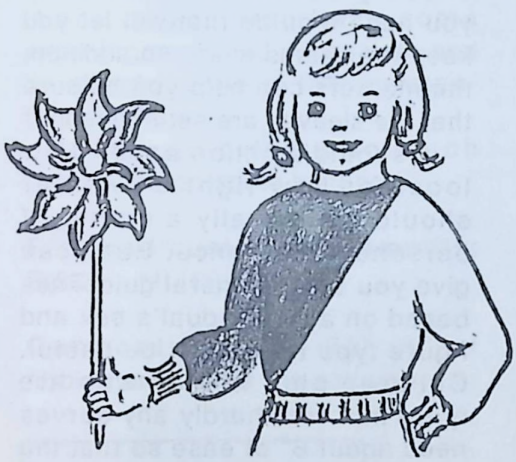
Girls' Sideways, Diagonal Sweater
Knittens - M. Reynolds



Yarn: 2 strands of 2/24 in two colors. You will need 4 to 5 ounces of each color.
Gauge: 7.5 stitches and 10.5 rows = 1".
Tension: 6.
Sizes: 2 - 4 - 6.

FRONT

With scrap yarn cast on 46 - 48 - 50 stitches right of the center 0 and knit several rows to end at the left. Just with ravel cord knit one row from left to right.

Set row counter on 000. With main yarn ant tension 6 knit to row 71 - 91 - 111. The carriage should be at the left. E-wrap cast on an additional 30 - 44 - 44 stitches at the left edge of the fabric. You should have a total of 76 - 92 - 94 stitches now. Knit to row 92 - 108 - 132. The carriage should be at the right.

On the left edge place 1 needle to hold position and knit 1 row. On the left edge place 1 more needle to hold. Repeat from * to * until all needles are in hold and the carriage is on the right.

Place row counter on 92 - 108 - 132 and change to second color.

**On the left edge place 1 needle to working position and knit 1 row. Place 1 needle on the left edge back to working position. Knit 1 row. Repeat from ** to ** until all needles are in working position. Knit even with second color to row 189 - 217 - 247. The carriage should be on the left.

Bind off 30 - 44 - 44 stitches on the left edge of the fabric. You should have 46 - 48 - 50 stitches remaining. Knit even to row 260 - 308 - 358 with second color. Scrap off all stitches.

BACK

Knit exactly like the front except changing the color placement.

Seam shoulder seams leaving a 7 1/2 inch opening in the center for the neck opening.

SLEEVE CUFFS

Cast on 52 - 56 - 60 stitches for 1:1 rib. Tension 1/1 rib 30 rows. Transfer all stitches to the main bed. Rehang the sleeve edge onto these 52 - 56 - 60 needles, doubling stitches on the center 40 needles. Knit 1 row. Bind off all stitches. Repeat for the second cuff.

BOTTOM BANDS

Cast on 82 - 84 - 98 stitches for 1:1 rib. Tension 1/1 rib 30 rows. Transfer all stitches to the main bed. Rehang bottom edge of the front onto these needles. Knit 1 row. Bind off all stitches. Repeat for back.

Easy Summer Tops for Beginning Knitters

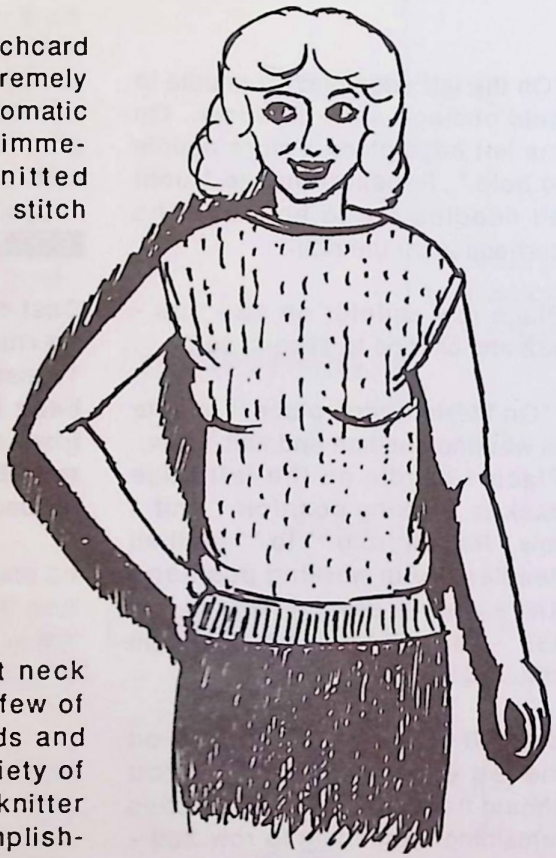
Patricia Wetzel

When I got my first punchcard knitting machine, I was extremely excited about all of the automatic stitches it could do that I immediately sat down and knitted swatches of each different stitch pattern! I hope you are as excited with your knitting machine and that you have tried out all of the possible stitches - at least in swatches.

Some folks seem never to advance beyond a swatch in their knitting careers. However, **everyone** should be able to knit and finish the simplest sweater style: a cap sleeve, boat neck pullover. After knitting a few of these, using different kinds and colors of yarns, plus a variety of stitches, even the newest knitter will have a sense of accomplishment and will then be able to try her hand at more intricate garment styles.

The simplest variation of this sweater has no bands at the neckline nor at the armholes. Instead, these edges are permitted to roll naturally. And the cap sleeve effect is the direct result of doing no armhole shaping - a dropped shoulder. The back and front of this sweater are knitted exactly the same way. My sketch shows the appearance of the simple boat neck sweater.

If you haven't already guessed, this easy sweater style is a great way to learn all of the



stitches that your machine can do. Before you gegin experimenting, here are a few helps.

The edges that do not have bands will **roll towards the purl side**. So, if you wear the garment with the knit side on the outside, the edges roll to the inside. But if you wear the garment with the purl side on the outide, the edges roll to the outside.

For this style of garment you **must not block** the neckline nor the arm edges. To do so would eliminate the finishing roll!

If you are truly a new knitter, begin now to always put a **marker** of some sort into the edge stitches of **every 50th row** knitted. Then you have a guide that will let you keep the seams even. In addition, the markers can help you be sure that the sleeves are set in evenly.

I should mention **ease**. How loose or how tight a sweater should be is really a matter of personal preference. But I can give you some general guidelines based on an individual's sex and figure type that might be useful. Children plus women who are quite thin with hardly any curves need about 6" of ease so that the garment has a relaxed look on the body. As the person's body gets larger with more curves and folds, the amount of ease should be reduced so that the heavy person with many curves should wear pullovers with little or no ease. What about men? Usually a man's pullover will need from 3" to 6" of ease to look good on him.

When determining the amount of ease to incorporate into a pullover, one should also consider the type of stitch that will be used as well as the thickness of the yarn. Garments done in **plain** stitches, such as stockinet or mainly stockinet with just a bit of a lace, tuck, skip, fairisle, or weaving design will generally have a fairly **soft** hand. In other words this fabric will **drape** easily. A knitted pullover with these characteristics will not need very much ease. On the other hand if the pullover is to be knitted in a deeply textured tuck stitch,

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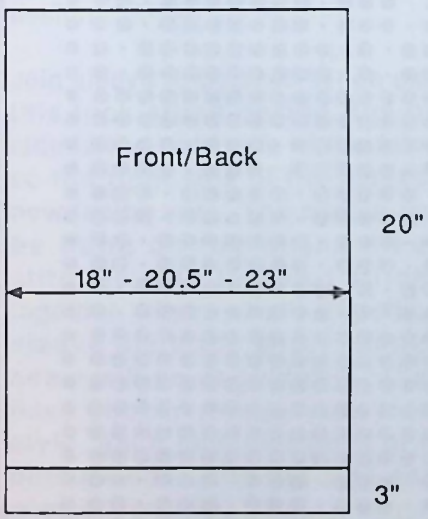
all-over dense cables, or in a thick, stiff, or very hairy yarn - then that garment should include sufficient ease to allow for the bulk that the texture or yarn adds.

I realize that extremely new knitters may not appreciate the preceding information, as they probably are not ready to face all of those concerns since basic machine knitting techniques probably dominate most of their thoughts right now. However, those of you who have some experience should appreciate and be able to relate to the commentary on ease.

Let's quit doing so much talking and do some knitting.!

Finished bust measurements: S(36") - M(41") - L(46").

Garment length: 23" (#" of ribbing and 20" in the pattern).



Yarn: use a double strand of 2/24 and tension 5 **or** a single strand of Amber Academy and tension 6.
Gauge: 7.75 stitches and 10.75 rows = 1".

This sweater can be knitted in plain stockinet or add a small border design above the ribbing in fairisle, weaving, lace, thread lace, tuck stitch, or skip stitch. You can also knit the enrire garment in stripes. Or add some cables or some fancy hand manipulated trims. In other words, let your imagination be your guide!

KNITTING DIRECTIONS

1) At tension 0/0 cast on 140 - 158 - 178 stitches in 1:1 rib.
2) At tension 1/1 knit 32 rows of rib, then transfer all stitches to the main bed.
3) RC000. Remembering to put a marker in each edge stitch after knitting every 50th row, all sizes knit to RC 216 in the chosen stockinet variation.
4) Bind off all of the stitches.
5) Knit a second piece the same as the first, following steps 1-4.
6) Sew the shoulders leaving an opening large enough for the head to fit through. Sew the side seams using the markers as guides to keep the seams even, letting the desired amount open for the armholes.

If you wish to knit additional tops like the one above, but with a variety of embellishments, such as broomstick lace, piping, bobbles, lattice cables, or butterfly cables (to name a few), refer to my books: *Tips & Techniques* $6.50 ppd., *Hints for Machine Knitters* $6.50 ppd., *More Tips and Hints* $8.50 ppd., *Fabulous Finishes and Trims* $9.50 ppd.

* * *

Now let's knit the same cap sleeve, boat neck top, but this time using **Tamm Perla**. The gauge for this yarn is 8.25 stitches and 11.25 rows = 1" when using **tension** 5.

So, according to size cast on 148 - 170 - 190 stitches in 1:1 rib. Tension 1/1 knit 34 rows of ribbing. Tension 5 knit 226 rows of your variation on stockinet stitch. Bind off.

* * *

Since you have Perla at your machine after that last blouse, how about knitting a top that uses the ribber for a "swinging" design? Cast on 148 - 170 - 190 stitches and do 36 rows of ribbing, then put all stitches on the main bed. Let the comb and weights in place and let the ribber arm connected. Change to H5 and, working from the center outward, put needles to work position the entire way across the ribber in this needle set-up:

x-x-x--------x-x-x--------x-x-x

Set the main carriage on tension 5 and the ribber carriage on tension 3. RC000. *Knit 2 rows. Change to H3. Knit 2 rows. Change to H5.* Repeat from * to * to row 236. Transfer all the ribber stitches to the main bed before binding off. The gauge for this top is 8.25 stitches and 11.75 rows = 1".

* * *

If you would like one of these tops in Tamm 3-Ply, we are ready to oblige you! **Gauge:** 7 stitches and 10 rows = 1" when using **tension** 7. You'll cast on 126 - 144 - 162 stitches. 30 rows are needed for the ribbing and 200 rows are needed for the body.

* * *

And if you want to use a thick yarn, such as 3 strands of 2/24 or one strand of Trenzado, we'll figure about 6 stitches and 9 rows = 1" when you use tnesion 9. That

continued on page 15

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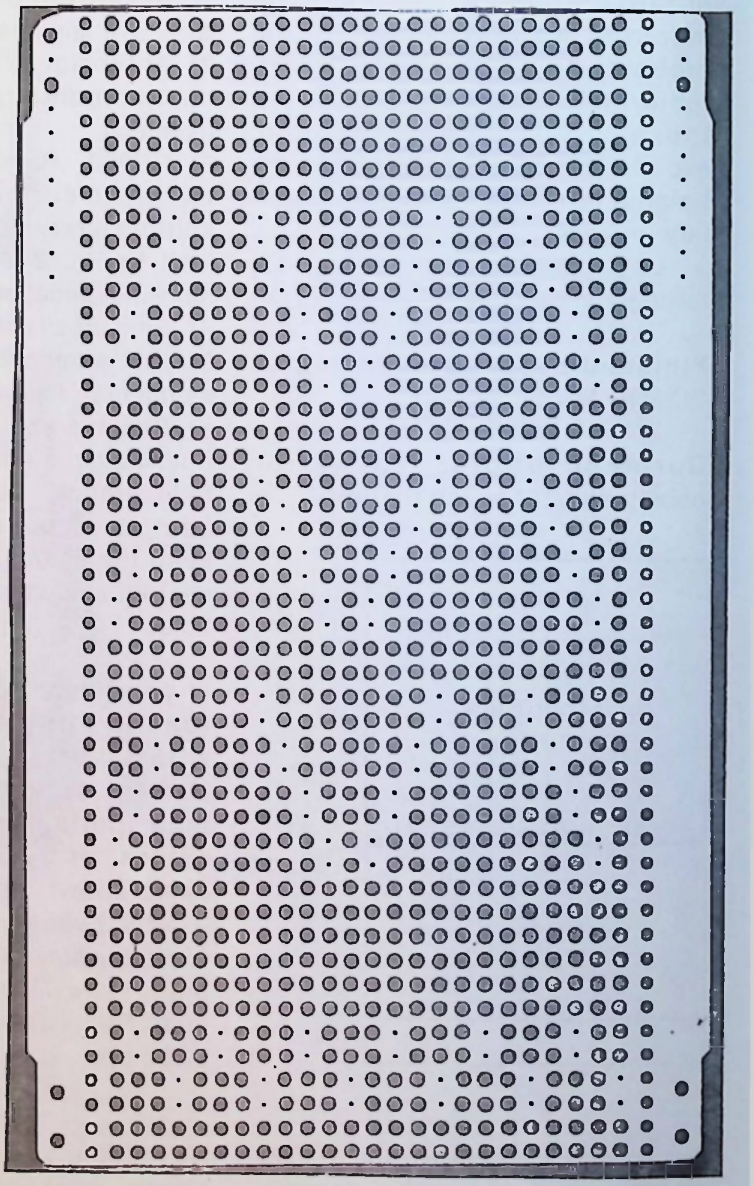
Easy Top with Sleeves

Patricia Wetzel

Now that you have knitted several cap sleeve tops, you might want to knit some variations of that easy top, but with sleeves. Since our theme is easy summer tops, lets limit ourselves this time to short sleeves.

Yarn: 2 strands of Delaine Acridel.
Gauge: 7.75 stitches and 15.5 rows = 1".
Tension: 5.
Design: Tuck stitch as shown at the right.
Finished bust sizes: 33" - 35" - 37" - 39" - 41" - 43" - 45".



KNITTING DIRECTIONS

Front/Back (make two alike)

Tension 0/0 cast on 128 - 136 - 144 - 152 - 160 - 168 - 176 stitches in 1:1 rib. Tension 1/1 knit 36 rows. Transfer all stitches to the main bed. RC000 and tension 5 all sizes knit 310 rows in the tuck stitch design, then bind off. [Did you remember to add markers each side of every 50th row?]

Make another piece the same way, so that the front and back are both knitted.

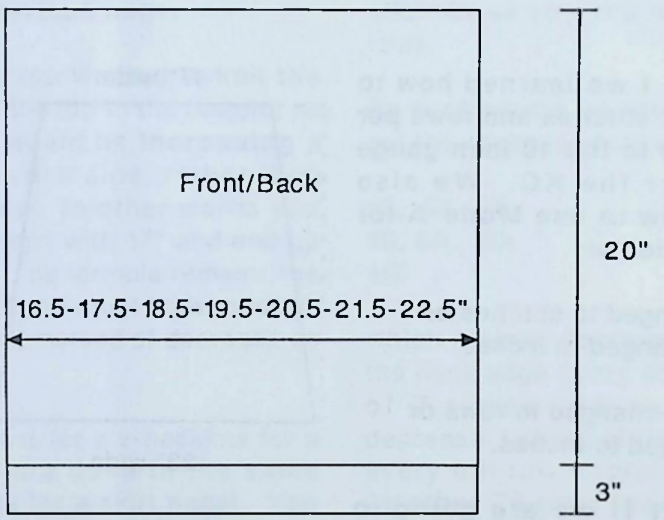
Important note: If you want a traditional style of sleeve, at this point you can sew the shoulders of your top, being sure that you have the purl sides together (the right sides). On the other hand, if you would like an unusual sleeve which is mostly open on the top of the arm, at this time you can sew most of each of the side seams (leaving the top parts open for the insertion of the sleeves), and making sure you do not sew the shoulders at this time.

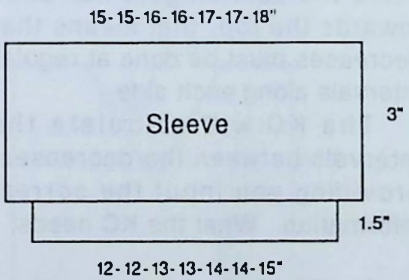
Sleeve: Using scrap yarn cast on 116 - 116 - 124 - 124 - 132 - 132 - 140 stitches and knit several rows. Knit one row just with ravel cord as you program the design. RC000. Tension 5. With main yarn knit 46 rows of the tuck design.

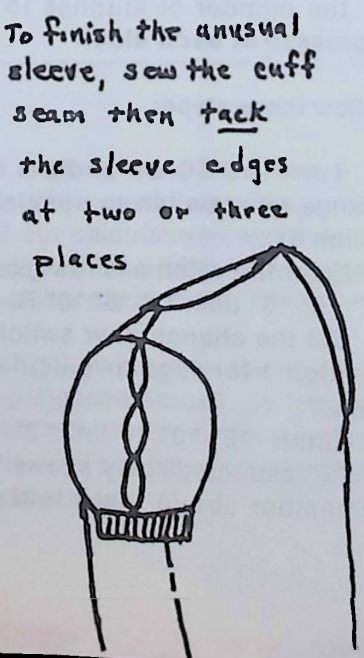
Join sleeve to bodice: When using this tuck stitch design, the purl side is the right side of the fabric, so the right side of the sleeve is now facing you. The bodice must be hung on top of the sleeve stitches with the purl stitches together. If you chose a traditional sleeve style the sewn shoulder seam will go at center 0. If you have chosen the unusual sleeve style, each shoulder goes at the outside edge and the side seam goes at center 0.

Whichever is the case, after picking up stitches to suit your style, bind off to join the sleeve to the bodice.

Sleeve cuff: Go back to the beginning edge of the sleeve and rehang all of the main yarn stitches onto 92 - 92 - 100 - 100 - 108 - 108 - 116 needles, doubling up the stitches on 24 needles evenly across. Transfer every other stitch to the ribber and hang weights. Tension 1/1 knit 16 rows of ribbing. Tensions as big as possible on both carriages knit one row then transfer all stitches to the main bed and cast off.







continued from page 13

means you will need to cast on 108 - 124 - 138 stitches and use tension 3/3 to knit 28 rows of ribbing. The body of the pullover will need 180 rows in the stockinet variation chosen.

Note: Unless you are making cables or doing other time consuming hand manipulated designs, each top that you make should take only about 40 minutes to knit and another half-hour or so to finish by hand (less time if you use a linker for assembly). Either way, in one day you should be able to knit several of these!

Knitting Calculater Use - Part II

Patricia Wetzel

In **Part I** we learned how to convert our stitches and rows per inch gauge to the 10 inch gauge needed for the KC. We also learned how to use **Mode A** for the calculation of:

inches changed to stitches **or** stitches changed to inches

and inches changed to rows **or** rows changed to inches.

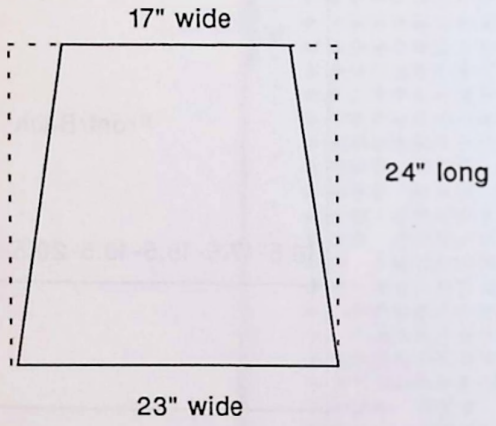
In **Part II** we are going to continue with the 75 stitch and 130 row 10 inch gauge as we explain how to use **Mode H** for the calculation of all slanted lines where stitches must be either increased or decreased.

Whether you wish to increase or decrease, the calculation is the same.

Mode H is the one you should choose when you want to calculate these shapes:

sides of a skirt panel
sides of a sleeve seam
slanted sides of a pullover
raglan edges
pullover v-neckline.

For our first exercise let's chart one-half of a two-panel skirt where we want the panel to be 23" wide at the bottom, 17" wide at the top, and 24" long.



We want to knit this skirt panel from the bottom to the top, so since the section gets narrower towards the top, that means that decreases must be done at regular intervals along each side.

The KC will calculate the intervals between the decreases, providing you input the correct information. What the KC needs:

1) the 10" stitch and row gauge
2) the skirt length in rows
3) the number of stitches to be decreased **at each side**.

Follow these steps:

1) Turn the KC on and set the change over switch to position 2 for the KC.
2) Enter the stitch and row gauge: "7" "5" "S" then "1" "3" "0" R.
3) Set the change over switch to position 1 for regular calculator use.
4) Enter: "2" "3" "-" "1" "7" "--" "2" "=" and the display shows "3". Remember above that I told you the knitting calculator needs to know the number of stitches to be decreased at each side. By subtracting 17" from 23" and then dividing that by 2, we just learned that there are 3" of stitches to be decreased at each side of the skirt.

Now return the change over switch to position 2 for the KC. Mode A is shown at the left, but we must work in Mode H. Push one of the mode selector buttons repeatedly until mode H is displayed at the left. Also in the display is "0" with "S cm" flashing.

You are being instructed to input the number of stitches to be decreased at one side of the skirt panel. You just figured out that it is 3" worth of stitches, so enter: "3" "cm" "S" and "23" is displayed. The KC just used your gauge to figure out that you will have to decrease 23 stitches along one side of the skirt.

Now "0" is displayed at the right with a flashing "R cm" displayed. Enter the inch length of the skirt: "2" "4" "cm" "R" and the KC immediately displays that there will be 312 rows to knit as the skirt is shaped by decreasing 23 stitches along each side.

But look at the left of the display and there you will see an arrow pointing upward ↑ This means you are to push the **up arrow** button once, and write down the

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displayed information, repeating this action until no more information is provided. In other words:

Push the up arrow first and the display reads: 1S 12R 11X

Push the up arrow again and the display reads: 1S 14R 12X and also you will note that you now have a double arrow at the left. This means that the shaping instructions are complete and you can push either the "up" or "down" arrow button to review the instructions.

Let's push the up arrow button one more time and what is displayed is: 12R*.

If we then continue to push the up arrow we don't get a different display. At the left of the display is a down arrow. Let's push the down arrow once: 1S 14R 12X is displayed. Push the down arrow again and 1S 12R 11X is displayed.

If you wrote all of this information down, you should have this:

1S, 12R, 11X (means decrease 1 stitch at each side of every 12th row a total of 11 times - the last of these decreases is done at RC 132, found by multiplying 12 rows x 11 times to do that)

1S, 14R, 12X (means decrease 1 stitch at each side of every 14th row a total of 12 times - 14 rows times 12 times to decrease is 168 rows for this operation - we already knitted 132 rows so 132 rows plus 168 rows = 300 rows).

Remember that our 24" long skirt is 312 rows in length?

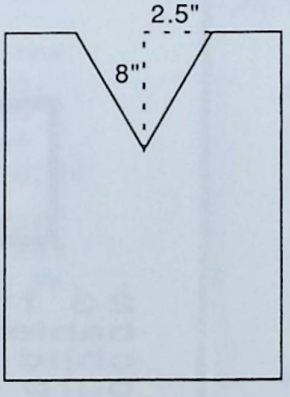
The next part of the formula:

12R* (means knit the next 12 rows even - without doing any shaping).

When you want to calculate using Mode H, you input the gauge, then the measurements of the two dotted lines at one side of the skirt panel as shown on the previous page.

Suppose you wanted to knit the skirt from the top to the bottom, so that you would be **increasing** a stitch at each side, rather than decreasing. In other words you want to begin with 17" and end up with 23". The formula remains the same, but you must know enough to increase instead of decrease as you knit.

Calculations for a v-neckline for a pullover are done in the same fashion as for a skirt panel. You need to "give" the KC: the length or depth of the neckline and half the width of the neckline.



In the example shown the complete neckline width is 5", so for our calculations we must enter half of that width. The desired neckline depth is 8".

Our gauge is still in the KC (unless you messed around too long and it shut itself off), so let's calculate the v-neckline shaping for this pullover.

Input: "2" "." "5" "cm" "S" and "19" is displayed.

Next enter "8" "cm" "R" and "104" is displayed.

In other words, at each side of the v-neck you must decrease 19 stitches as you knit a total of 104 rows.

By pushing the up arrow, then, we get the decrease formula of:

1S, 4R, 7X
1S, 6R, 12X
4R*

which means, decrease 1 stitch at the neck edge every 4th row a total of 7 times (28 rows), then decrease 1 stitch at the neck edge every 6th row a total of 12 times (another 72 rows for a total rows now of 100), then knit 4 rows without doing any shaping (total rows knitted now is 104). And note that in the first part of the shaping a stitch was decreased 7 times and in the second part of the shaping a stitch was decreased 12 times - 7 + 12 times = 19 times a stitch was decreased.

It all adds up!

Mode G works the same as **Mode H** except that in mode G you will always be instructed to decrease (or increase) one stitch before youf begin knitting the shaped part. Sometimes you might want the shaping to begin immediately, as when shaping the v-neckline of a cardigan. In that/those instances you should use Mode G.

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